GIS SUMMER INTERN
APRIL 2024

Reports to: District Engineer

Definition/Summary:
As a Summer Intern specializing in ArcGIS Data Collection and Organization, you will play a vital role in supporting Glenn-Colusa Irrigation District's data management initiatives. You will work closely with GCID's engineering team to collect, organize, and analyze geospatial data related to our infrastructure network. This hands-on role offers an excellent opportunity to gain practical experience in ArcGIS software while contributing to meaningful projects aimed at improving water resource management.

Duration and Compensation:
This is a temporary, full-time position lasting for the duration of the summer months. Compensation will range from **$20-$25 per hour** depending on experience and education.

Essential Functions:
- Conduct field surveys to collect geospatial data on irrigation infrastructure, including pipelines, canals, pumps and reservoirs.
- Utilize ArcGIS software to input, edit and manage spatial data collected during field surveys.
- Assist in the development and maintenance of GIS databases, ensuring data accuracy and completeness.
- Collaborate with team members to analyze spatial data and generate maps, reports and visualizations to support decision-making processes.
- Perform quality control checks on collected data to identify and resolve discrepancies or errors.
- Support ongoing projects related to GIS data integration and system improvements.
- Adhere to safety protocols and procedures while working in the field and handling equipment.

Other Duties:
- Adhere to safety protocols and procedures while working in the field and handling equipment.
- Comply with all District policies, procedures, rules and regulations, including all safety standards.
- Must be able to operate vehicle to travel to and from job sites.

Qualifications:
- Currently enrolled in a bachelor's or master's degree program in Geography, Environmental Science, Engineering or related field.
- Proficiency in ArcGIS software and experience with geospatial data collection techniques preferred.
- Strong attention to detail and ability to maintain accurate records.
- Excellent communication and interpersonal skills.
- Ability to work independently and collaboratively in a dynamic team environment.
- Familiarity with irrigation systems and agricultural practices is a plus.
- Valid driver's license and willingness to travel to field locations within Northern California.

Protecting agriculture and wildlife in the
Sacramento Valley for more than a century

Typical Physical Activities:
- Travel by vehicle while conducting company business.
- Work above and around water, boats and related equipment.
- Work in an environment with exposure to dust, dirt and hazardous materials.
- Ability to carry, push, pull, reach and lift objects of light to medium weight.
- Use office equipment such as computers, copiers and scanners.

Environmental Factors:
- Exposure to the sun: 60% or more work time spent outside a building and exposed to the sun.
- Considerable work time may be spent in all types of weather conditions: temperatures above 100°, wind, humidity, wet and cold conditions.
- May occasionally be exposed to unusually loud sounds and noise.
- May work on slippery or inclined surfaces.
- May work in or around areas with minor amounts of dust.

Desirable Qualifications:
Education: Some educational background in the field of Engineering, with an interest or emphasis on water resources engineering; or equivalent of four years of work experience in this field.

License Certificate Registration Requirement:
Driver's License: Possession of a valid California Class C Driver's License required at the time of appointment. Possession and proof of a driving record free of multiple or serious traffic violations accidents for two consecutive years.

How to Apply:
Interested candidates should submit an application, resume and cover letter through GCID's website, www.gcid.net. Applications will be accepted until the position is filled.

The specific statements shown in each section of this job description are not intended to be all-inclusive. They represent typical elements and criteria necessary to successfully perform the job.